

## CONTRIBUTORS TO VOLUME XLIX.

---

ALEXANDER, E. G., M.D., of Philadelphia, Visiting Surgeon to the Out-Patient Department of the Episcopal Hospital.

ALEXANDER, SAMUEL, M.D., of New York, Professor of Clinical Surgery, Cornell University Medical College (Department of Genito-Urinary Diseases); Surgeon to Bellevue Hospital.

BAINBRIDGE, WILLIAM SEAMAN, M.D., of New York City, Clinical Professor of Surgery, New York Polyclinic Medical School and Hospital; Consulting Surgeon, Manhattan State Hospital; Surgeon, New York Skin and Cancer Hospital; Associate Surgeon, Woman's Hospital.

BARNEY, J. D., M.D., Assistant in Anatomy in the Harvard Medical School.

BLOODGOOD, JOSEPH C., M.D., of Baltimore, Md., Associate Professor of Surgery in the Johns Hopkins University.

BUERGER, LEO, M.D., of New York, Assistant Adjunct Surgeon and Associate in Surgical Pathology, Mt. Sinai Hospital; Associate Surgeon, Mt. Moriah Hospital; Cystoscopist, West Side German Dispensary.

CABOT, HUGH, M.D., of Boston, Mass.

CARNETT, JOHN BERTON, M.D., of Philadelphia, Associate in Surgery, University of Pennsylvania; Assistant Surgeon to the University and the Philadelphia General Hospitals; Consulting Surgeon to the Phoenixville Hospital.

CODMAN, ERNEST A., M.D., of Boston, Mass., Assistant Visiting Surgeon, Massachusetts General Hospital.

CUNNINGHAM, JOHN H., JR., M.D., of Boston, Mass., Visiting Surgeon to the Long Island Hospital; Third Assistant Visiting Surgeon, Boston City Hospital.

CUMSTON, CHARLES GREENE, M.D., of Boston, Mass.

CUSHWAY, BERTRAM CHARLES, M.D., of Chicago.

DAVIS, JOHN STAIGE, M.D., of Baltimore, Md., Assistant Surgeon in the Out-Patient Department of Johns Hopkins Hospital.

DEAVER, HARRY C., M.D., of Philadelphia, Professor of Surgery, Woman's Medical College; Surgeon to the Episcopal and Stetson's Hospitals and to the Children's Hospital of the Mary J. Drexel Home.

iii

DEAVER, JOHN B., M.D., of Philadelphia, Surgeon-in-Chief.

DENSLOW, LEGRAND N., M.D., of New York.

DESPARD, DUNCAN L., M.D., of Philadelphia.

EASTMAN, JOSEPH RILUS, M.D., of Indianapolis, Clinical Professor of Surgery in the Indiana University School of Medicine.

ECHOLS, CHESTER M., M.D., of Milwaukee, Wis.

ELIOT, ELLSWORTH, JR., M.D., of New York, Surgeon to the Presbyterian and Gouverneur Hospitals.

ERDMANN, JOHN F., M.D., of New York, Professor of Surgery, New York Post-Graduate Medical School and Hospital.

FERGUSON, ALEXANDER HUGH, M.D., C.M., of Chicago, Professor of Clinical Surgery, University of Illinois.

FISK, ARTHUR LYMAN, M.D., of New York.

FOWLER, RUSSELL S., M.D., of Brooklyn, New York, Chief Surgeon, German Hospital; Surgeon, Methodist Episcopal (Seney) Hospital.

GATCH, WILLIS D., M.D., of Baltimore, Md., Assistant Resident Surgeon in the Johns Hopkins Hospital.

GIBSON, CHAS. LANGDON, M.D., of New York, Surgeon to St. Luke's Hospital.

GOODMAN, EDWARD H., M.D., of Philadelphia, Assistant Instructor in Medicine, University of Pennsylvania; Dispensary Physician, Presbyterian Hospital.

HAMMOND, LEVI J., M.D., of Philadelphia, Surgeon to the Methodist Episcopal and Maternity Hospitals.

HAWKES, FORBES, M.D., of New York, Surgeon to Trinity Hospital; Associate Surgeon, Presbyterian Hospital; Consulting Surgeon, Nassau and St. Joseph's Hospitals, Long Island; Instructor in Surgery, Columbia University.

HEPBURN, THOMAS M., M.D., of Hartford, Conn.

HEWSON, ADDINELL, M.D., of Philadelphia, Professor of Anatomy in Philadelphia Polyclinic Hospital; Surgeon to St. Timothy's and American Oncologic Hospitals.

JANEWAY, HENRY H., M.D., of New York.

KELLY, JAMES A., M.D., of Philadelphia, Visiting Surgeon, St. Mary's Hospital; Pathologist and Instructor in Surgery, Philadelphia Polyclinic Hospital and College.

CONTRIBUTORS TO VOLUME XLIX.

v

KRETSCHMER, HERMAN L., M.D., of Chicago, Assistant in Surgery, Rush Medical College.

LE BOUTILLIER, WILLIAM G., M.D., of New York City.

LEVIN, ISAAC, M.D., of New York.

LUND, FRED. B., M.D., of Boston, Mass.

MACEWEN, JOHN A. C., M.B., B.Sc., F.F.P.S., of Glasgow, Surgeon to The Elder Hospital, Govan; Assistant Surgeon, Glasgow Royal Infirmary; Senior Assistant to the Professor of Surgery, Glasgow University.

MACGOWAN, GRANVILLE, M.D., of Los Angeles, Cal., Professor of Genito-Urinary Surgery in the University of California.

MASLAND, H. C., M.D., of Philadelphia.

MAYLARD, A. ERNEST, M.B., B.S. (Lond.), of Glasgow, Surgeon to the Victoria Infirmary, Glasgow; Late Examiner in Surgery to the Victoria University, Manchester, and to the University of Glasgow.

MAYO, WILLIAM J., M.D., of Rochester, Minnesota, Surgeon to St. Mary's Hospital.

MUMFORD, JAMES G., M.D., of Boston, Mass.

NICOLL, JAMES H., M.B., of Glasgow, Professor of Surgery in Anderson's College; Surgeon to the Western Infirmary.

PEASE, GEORGE N., M.D., of New York, Interne, Presbyterian Hospital.

PHELPS, CHARLES, M.D., of New York City, Surgeon to Bellevue and St. Vincent's Hospitals.

PILCHER, PAUL MONROE, M.D., of Brooklyn, New York, Consulting Surgeon to the Eastern Long Island Hospital; Attending Surgeon to the German Hospital of Brooklyn; Associate Surgeon to St. John's Hospital; Attending Cystoscopist to the Jewish Hospital.

POWERS, CHARLES A., M.D., of Denver, Colo.

ROBERTS, ALBERT J., M.D., of Bridgeport, Conn., Assistant Surgeon to the Bridgeport Hospital.

ROCKEY, A. E., M.D., of Portland, Oregon.

SAXON, GORDON J., M.D., of Philadelphia, Pa., Laboratory of Experimental Surgery of the University of Pennsylvania.

SCHWYZER, ARNOLD, of St. Paul, Minn.

SCUDDER, CHARLES L., M.D., of Boston, Mass., Surgeon to the Massachusetts General Hospital, Lecturer on Surgery in the Harvard Medical School.

SHOBER, JOHN B., M.D., of Philadelphia, Gynecologist to the Howard and Gynceean Hospitals and to the American Hospital for Diseases of the Stomach; Surgeon to the Bar Harbor Hospital.

SILVER, DAVID, M.D., of Pittsburg, Pa.

SMITH, OLIVER C., M.D., of Hartford, Conn., Surgeon to the Hartford Hospital.

THOMAS, JOHN JENKS, M.D., of Boston, Mass., Assistant Professor of Neurology, Tuft's College Medical School; Physician for Diseases of the Nervous System, Boston City Hospital; Assistant Neurologist, Boston Children's Hospital; Consulting Neurologist, Quincy Hospital.

TORRANCE, GASTON, M.D., of Birmingham, Ala., Surgeon to St. Vincent's and The Hillman Hospitals.

WOOD, ALFRED C., M.D., of Philadelphia, Assistant Professor of Surgery, University of Pennsylvania; Surgeon to the University, the Philadelphia, St. Timothy's and the Howard Hospitals.

WOOLSEY, GEORGE, M.D., of New York, Professor of Anatomy and Clinical Surgery in Cornell University; Surgeon to the Bellevue Hospital and Associate Surgeon to the Presbyterian Hospital.